Environmental Protection Agency

Office of Environmental Education

Solicitation Notice FY 2005 National Network for Environmental Management Studies Fellowship Program (CFDA 66-607)

Overview Information

a. Required Overview Content

Federal Agency Name – Environmental Protection Agency, Office of Environmental Education

Funding Opportunity Title – FY 2005 National Network for Environmental Management Studies Fellowship Program

Announcement Type – Request for initial proposals

Funding Opportunity Number – EPA-OEE-05-01

Catalog of Federal Domestic Assistance (CFDA) Number – 66-607: Training and Fellowships for the Environmental Protection Agency

Dates – Application due date: January 15, 2005 (postmarked)

b. Additional Overview Content

Not Applicable

c. Method of Presentation

Executive Summary – In recognition of the growing interest in environmental issues and careers, the United States Environmental Protection Agency (EPA) established the National Network for Environmental Management Studies (NNEMS) Fellowship Program in 1986 to encourage students to pursue environmental careers. The NNEMS program is a comprehensive fellowship program that provides students an opportunity to participate in a fellowship project that is directly related to their field of study.

The purpose of the NNEMS program is to:

- Provide students with practical research opportunities and experiences in EPA's program and regional offices and in its laboratories
- Increase public awareness of and involvement in environmental issues
- Encourage qualified individuals to pursue environmental careers
- Help defray the costs associated with the pursuit of academic programs related to the field of environmental protection, such as pollution control, science, engineering, technology, social science, and specialty areas

Under the NNEMS program, a range of fellowship activities are offered to help students increase their knowledge of environmental issues while refining their professional skills. Each year, the NNEMS program offers approximately 40 research projects, developed and sponsored by EPA Headquarters in Washington, D.C. and in EPA's 10 regional offices and laboratories throughout the United States. The projects are specifically narrow in scope, allowing students to complete the research project while working full-time at EPA during the summer or part-time during the school year. Typically, the research is conducted at an EPA office or laboratory, although other arrangements can be made in certain circumstances.

Detailed descriptions of the research projects are provided in the annual NNEMS Catalog. The catalog is available online at www.epa.gov/enviroed/students.html. Copies of the catalog are also distributed to NNEMS program coordinators at several hundred colleges, universities, and other educational institutions.

The research projects are organized among five key areas:

- Environmental Policy, Regulation, and Law
- Environmental Management and Administration
- Environmental Science
- Public Relations and Communications
- Computer Programming and Development

A NNEMS fellowship is available to any associate, undergraduate, or advanced student who is:

- A citizen of the United States, its territories or possessions, or lawfully admitted to the United States for permanent residency
- Enrolled for academic credit at a 2- or 4-year college or university, or distancelearning institution accredited by a regional or national accrediting organization recognized by the United States Department of Education or the Council for Higher Education Accreditation
- Pursuing an educational program directly related to pollution control or environmental protection for the duration of the fellowship

Applicants must meet each of the requirements listed above, as well as the appropriate requirements for associate, undergraduate, and advanced students listed below.

Associate and Undergraduate Students

- 3.0 cumulative grade point average (GPA) based on a scale of 4.0 at the time that the application is due (a GPA of 2.999 for example, is not sufficient)
- Completion of at least four courses related to the field of environmental studies

Advanced Students

- Currently enrolled in a graduate or Ph.D. program or can provide proof of acceptance and enrollment to a graduate or Ph.D. program at the time of fellowship award
- Completion of at least one semester of graduate or Ph.D. work, or at least four undergraduate courses related to the field of environmental studies

The following students are not eligible for a NNEMS fellowship:

- Federal employees, including those who are on "leave without pay" status
- Undergraduate and graduate students who will graduate before the NNEMS fellowship is completed (Students who complete their undergraduate studies before the end of a fellowship may apply if they are admitted and enrolled in a graduate program.)
- Students enrolled in certificate programs
- High school students

Recipients of NNEMS fellowships receive a stipend based on the student's level of education and the duration and location of the project.

I. Funding Opportunity Description

EPA established the NNEMS program in 1986 to foster a growing interest among higher education students in environmental careers. The NNEMS program is a comprehensive fellowship program that provides students an opportunity to participate in a fellowship project that is directly related to their field of study. The NNEMS program is sponsored by EPA's Office of Environmental Education (OEE).

The purpose of the NNEMS program is to:

- Provide students with practical research opportunities and experiences in EPA's program and regional offices and in its laboratories
- Increase public awareness of and involvement in environmental issues
- Encourage qualified individuals to pursue environmental careers
- Help defray the costs associated with the pursuit of academic programs related to the field of environmental protection, such as pollution control, science, engineering, technology, social science, and specialty areas

Students who are awarded NNEMS fellowships are offered a unique opportunity to gain research and training experience directly linked to their undergraduate or graduate studies. NNEMS fellows conduct research projects to augment their academic studies, which EPA supports with financial assistance in the form of a grant.

Under the NNEMS program, a range of fellowship activities are offered to help students increase their knowledge of environmental issues while refining their professional skills. Each year, the NNEMS program offers approximately 40 research projects, developed and sponsored by EPA Headquarters in Washington, D.C. and in EPA's 10 regional offices and laboratories throughout the United States. The projects are specifically narrow in scope, allowing students to complete the research project while working full-time at EPA during the summer or part-time during the school year. Typically, the research is conducted at an EPA office or laboratory, although other arrangements can be made in certain circumstances.

The research projects are organized among five categories:

Environmental Policy, Regulation, and Law

Fellowships offered in this category provide students an opportunity to review and evaluate existing policies and regulations, as well as conduct research related to the development of new policies. The projects may include a component that focuses on environmental compliance.

• Environmental Management and Administration

The topics of fellowships in this category focus on environmental management goals.

• Environmental Science

Research projects in this category typically include direct participation in field studies and laboratory research. Environmental policy and regulation review requiring technical expertise is included in the Environmental Policy, Regulation, and Law category described above.

Public Relations and Communications

These types of fellowships include the review and analysis of public response to EPA policies and regulations, as well as general public opinion of environmental issues. The projects may include the development of communication tools, for example pamphlets and informational materials.

• Computer Programming and Development

Research projects may include the development of computer software, the development and querying of databases, and the design of programming functions required in laboratory work.

Detailed descriptions of the research projects offered this year are provided in EPA's NNEMS Catalog for 2005, which is available on the NNEMS web site at http://www.epa.gov/enviroed/NNEMS/2005projects.html. The NNEMS Catalog for 2005 can be viewed or downloaded in portable document format (pdf) and portions of the 2005 catalog are available in HTML format for interactive viewing of the fellowships.

Additional copies of this document can be obtained from:

U.S. Environmental Protection Agency NNEMS Program Office of Environmental Education (1704A) 1200 Pennsylvania Avenue, NW Washington, DC 20460 Telephone: 202-564-0452

II. Award Information

EPA has awarded approximately 1,340 fellowships under the NNEMS program since its inception in 1986, and expects to award approximately 40 fellowships in 2005.

All NNEMS fellowships are awarded directly to the individual students who are selected as fellows. The awards cannot be made to the educational institution at which the student is enrolled, although a student may request that EPA submit payment of a portion of his or her tuition costs directly to the institution.

Students selected for a fellowship receive a grant award in the form of a stipend. The grant is paid in monthly installments based on the duration of the project. Grant awards range from approximately \$6,900 to \$11,000 per award for a 3-month, full-time period and reflect an individual student's level of education, as well as the location and duration of the research project. Even though students selected to receive NNEMS fellowships are grantees and not federal employees, the formula for the appropriate stipend amount is based on the current General Schedule (GS)-04 through GS-09 federal pay scale, and includes standard government locality rates. Freshmen students, for example, will be paid at the GS-04 rate; advanced graduate students at the GS-09 rate. The stipend will be increased to compensate for costs associated with travel or training for research projects that require these activities. Information about the GS pay scale by localities is available on line at www.opm.gov/oca/04tables/indexGS.asp.

There is no matching or cost sharing required of students awarded NNEMS fellowships.

The anticipated start date for the 2005 fellowships is June, 2005.

NNEMS fellowships can not be extended or renewed. Students currently holding a NNEMS fellowship may apply for a new fellowship in 2005. The existing fellowship, however, must be completed and the fellowship ended before a student will be considered eligible to begin a new fellowship.

EPA reserves the right to reject all applications for NNEMS fellowships and to make no awards.

III. Eligibility Information

1. Eligible Applicants

A NNEMS fellowship is available to any associate, undergraduate, or advanced student who meets the general requirements listed below, as well as those identified for associate, undergraduate, and advanced students.

General Requirements

At a minimum, all applicants must be:

- A citizen of the United States, its territories or possessions, or lawfully admitted to the United States for permanent residency
- Enrolled for academic credit at a 2- or 4-year college or university, or distance-learning institution accredited by a regional or national accrediting organization recognized by the United States Department of Education or the Council for Higher Education Accreditation¹
- Pursuing an educational program directly related to pollution control or environmental protection for the duration of the fellowship

Associate and Undergraduate Students

Students attending 2- or 4-year institutions or distance-learning institutions must meet the following requirements:

- 3.0 cumulative grade point average (GPA) based on a scale of 4.0 at the time that the application is due (a GPA of 2.999 for example, is not sufficient)
- Completion of at least four courses related to the field of environmental studies

Advanced Students

Students enrolled in graduate or doctoral programs must meet the following requirements:

- Currently enrolled in a graduate or Ph.D. program or can provide proof of acceptance and enrollment to a graduate or Ph.D. program at the time of fellowship award
- Completion of at least one semester of graduate or Ph.D. work or at least four undergraduate courses related to the field of environmental studies

The following students are not eligible for a NNEMS fellowship:

¹ Applicants are not required to be enrolled at the time the application is due, typically in January, but must be enrolled at the time of fellowship award, which is typically in April. For example, an applicant who graduated with an undergraduate degree a few years ago and is not currently enrolled in an academic program, may submit an application for a NNEMS fellowship if the applicant has applied to, been accepted at, and is enrolled in a graduate school or doctoral program that will begin in the Fall of 2005. Please note that EPA is prohibited from awarding fellowships to applicants who have been accepted to, but have not enrolled, in an academic program.

- Federal employees, including those who are on "leave without pay" status
- Undergraduate and graduate students who will graduate before the NNEMS fellowship is completed. (Students who complete their undergraduate studies before the end of a fellowship may apply if they are admitted and enrolled in a graduate program.)
- Students enrolled in certificate programs
- High school students

2. Cost Sharing or Matching

There is no matching or cost sharing required of students awarded NNEMS fellowships.

3. Other

Students currently holding a NNEMS fellowship may apply for a new fellowship in 2005. The existing fellowship, however, must be completed and the fellowship ended before a student will be considered eligible to begin a new fellowship.

Students may apply to as many research projects as desired. Separate, complete application packages (one original and three copies) must be submitted for each project. Official transcripts may be photocopied if a student is submitting more than one application package. If more than one project application is submitted, the student must indicate the order of preference of each project on the Application Form.

Students may apply for consecutive projects, but the first fellowship must be completed before the second fellowship begins. For example, an applicant may apply for a project that ends in August as well as for a project that begins in September.

IV. Application and Submission Information

1. Address to Request Application Package

The NNEMS Catalog for 2005 can be viewed or downloaded in portable document format (pdf) from EPA OEE's web site at www.epa.gov/enviroed/students.html. Portions of the 2005 catalog are also available in HTML format for interactive viewing of the fellowships.

Additional copies of this document can be obtained from:

U.S. Environmental Protection Agency NNEMS Program Office of Environmental Education (1704A) 1200 Pennsylvania Avenue, NW Washington, DC 20460 Telephone: 202-564-0452

2. Content and Form of Application Submission

Students who are interested in applying for a NNEMS fellowship must submit four complete application packages (one original and three copies) that include:

- A completed NNEMS Application Form
- A résumé
- An official transcript for each 2- or 4-year college or university, or distance-learning institution attended. Official transcripts should be opened and copied as three copies of the transcript are required for each application. Applicants should include in the application package the envelope in which the original transcript was provided. If submitting multiple applications, only one original transcript is required. For example, if a student is submitting 2 applications, he or she may submit one original and seven copies of the transcript.
- A completed NNEMS Reference Form. The Reference Form should be prepared by a professor or advisor who knows the applicant well and can specifically discuss the student's aptitude and/or experience for the project. The Reference Form should be included with the application package; however, a reference submitted under separate copy will be accepted if it is postmarked on or before the application deadline.
- A completed and signed original NNEMS Disclosure and Waiver Statement.
- Verification of acceptance and/or enrollment in a graduate or Ph.D. program if the applicant is a graduating senior.

Blank application forms are included in the NNEMS Catalog for 2005. The forms may also be obtained online at www.epa.gov/enviroed/students.html.

If a student submits application materials that are considered by the student to be confidential, those materials should be clearly marked as confidential. In addition, the student must indicate on the Application Form that confidential materials are enclosed with the application. EPA will make final confidentiality decisions in accordance with Agency regulations listed in Part 2, Subpart B of Title 40 of the Code of Federal Regulations (CFR).

Once a student has accepted a fellowship offer, the NNEMS staff will then send to the student a Fellowship Application Packet, instructions for completing the forms in the packet, and a copy of the Guidebook for NNEMS 2005 Fellows. The forms must be completed and returned to the NNEMS staff within 2 weeks of receipt in order to begin the processing of the paperwork required of all fellowships.

3. Submission Dates and Times

The deadline for submitting applications for 2005 fellowships is January 15, 2005. All materials must be postmarked on or before January 15, 2005 to be eligible for consideration. Applications postmarked after January 15, 2005 will not be accepted.

4. Intergovernmental Review

Not Applicable

5. Funding Restrictions

Students selected for a fellowship receive a grant award in the form of a stipend. The grant is paid in monthly installments based on the duration of the project, unless the fellowship provides another payment process as follows:

- A portion paid directly to the educational institution for tuition costs. Tuition
 costs sent directly to the educational institution attended by the student are tax
 exempt.
- Payment to the student on a monthly basis or another basis approved by the EPA project officer and as stated in the Fellowship Agreement. The payment may be made directly to the student or by direct deposit. Students interested in direct deposit should contact Ms. Sheri Jojokian to request a Direct Deposit Enrollment Form (contact information is provided on page 15). Once the form is completed and returned to EPA's Financial Management Center, the stipend payment will be made by direct deposit.

EPA is not responsible for a student's travel expenses to and from the project site or for the student's housing costs. If selected for a NNEMS fellowship that is located away from home or school, students are responsible for making their own arrangements for travel and housing.

If a student is required to participate in official travel during the performance of a project, EPA will add to the stipend additional funds to cover associated travel costs. Because students will not be reimbursed for any unapproved travel costs, it is very important that students do not incur any travel expenses until the stipend has been increased to cover such costs.

6. Other Submission Requirements

Applications must be submitted in hard-copy format only. All NNEMS applications must be mailed to:

NNEMS Fellowship Program Tetra Tech EM Inc. 1881 Campus Commons Drive, Suite 200 Reston, VA 20191

V. Application Review Information

1. Criteria

NNEMS fellowships are awarded annually on the basis of EPA's request for applications and the established evaluation criteria listed below.

- Relevancy of the classroom experience of the student as it relates to the EPA research project (maximum score = 15 points)
- Student's understanding of the proposed EPA research project subject matter (maximum score = 10 points)
- Relevancy of work experience of the student (whether volunteer activities, internships, or paid jobs) as it relates to the EPA research project (maximum score = 10 points)
- Relevancy of the student's academic studies to the EPA research project (maximum score = 5 points)
- Leadership skills, written communication skills, and demonstrated success at working well in an office, laboratory, or field environment, as appropriate to the project (maximum score = 5 points)
- Potential for success, as reflected by academic records, letters of reference, and other relevant information (maximum score = 5 points)

Applications that are scored highly by the panels of reviewers are then sent to the NNEMS staff and EPA project officers for consideration. At this point, members of the panels and or the EPA project officers may contact top-scoring applicants to determine the following:

- Additional related work experience
- The future goals of the student and interest in pursuing an environmental career
- The demonstrated research abilities of the student
- The oral skills, level of enthusiasm, and demonstrated motivation of the student

2. Review and Selection Process

Every application submitted for a specific research project will first be reviewed by external reviewers to determine whether the eligibility requirements have been met. Applications that meet the eligibility requirements will subsequently be reviewed by panels comprised of EPA staff members. The panels review and evaluate each application based on the evaluation criteria listed above.

EPA may also contact an applicant to negotiate or discuss the details of a research project. Discussions between the project officer and applicant are intended to produce a clear, mutual understanding of the details of the project and the results the student wishes to achieve from the project. Such negotiations are initiated by the EPA project officer and are to be completed by March 2005. The negotiations are not required and may not be conducted with each applicant.

Once EPA has made a decision about whom to award a fellowship, the EPA project officer will contact the student to offer the fellowship and to discuss specific details about the research project. Discussions among the project officer and applicant are intended to

produce a clear, mutual understanding of the details of the project and the results the student wishes to achieve from the project. The student should expect to discuss with the EPA project officer general information about the project, including:

- Specific location where the project will be conducted
- Amount of the stipend
- Approximate duration of the project
- Primary point of contact for the student
- Names of the EPA staff with whom the student will be working
- Access to telephone, email, and the Internet
- General sources and information that will be made available to the students (for example, previous research studies, resources, etc.) and any non-monetary assistance that EPA may be able to provide to the student during the fellowship.

During the notification call, the EPA project officer will also review with the student the procedures they must follow to initiate and complete the fellowship as described in detail in the NNEMS Catalog for 2005 under Procedures to Initiate and Complete a NNEMS Fellowship.

A background investigation for security purposes may be required of fellowship recipients, and personal information about the recipient will be required to complete these investigations. EPA reserves the right to terminate the fellowship agreement with a recipient if his or her background investigation reveals adverse information.

Please Note: In the event EPA receives inadequate applications as it relates to a specific research project, or if EPA receives ineligible or an insufficient number of applications for a specific research project, the project officer of the proposed project, working with the NNEMS staff, will then recruit applicants from an accredited college, university, or distance learning institution. Similarly, in the event a student who has been awarded a NNEMS fellowship grant must unexpectedly terminate the project early in the project period, EPA may non-competitively recruit a student from an accredited college, university, or distance learning institution once it has been determined that there are no remaining applicants available from the original application pool.

Students who are not selected for a 2005 fellowship will initially be notified by email in April, or within 60 days after the final selections are made. An official notification letter will be sent to the student's address provided on the NNEMS Application and will include a copy of the evaluation forms completed by members of the EPA review panel.

If EPA determines that an application is ineligible or not selected for award based on the criteria listed in this announcement, EPA will provide the applicant with a written or email notification within fifteen calendar days of the decision. The notification will briefly explain the reasons why the application was determined to be ineligible or not selected for award; will include procedures for requesting a debriefing of the basis for the decision; and will include information describing the dispute process and the applicant's dispute rights.

VI. Award Administration Information

1. Award Notices

The following describes the procedures that students who are selected to receive NNEMS fellowships must follow to initiate their fellowship.

The steps required to process a fellowship and the grant award are lengthy. It is imperative that students follow the instructions provided by EPA and submit all materials on time. A student may not begin a fellowship until all of the required documents are submitted.

Step 1: Complete and Submit the Fellowship Application Packet Forms

A student selected for a NNEMS fellowship will receive a grant award in the form of a stipend. Because a NNEMS fellowship is a grant issued by a federal agency, the student must complete additional documentation required by the federal government. In addition to completing a NNEMS application, a student selected for a NNEMS fellowship must submit the forms described below to receive a fellowship grant.

An applicant selected to receive a fellowship will be notified by the EPA project officer. NNEMS staff will then mail the student an official Fellowship Application Packet that includes a Fellowship Application (EPA Form 5770-2) and a Fellowship Facilities and Commitment Statement (5770-3).

The Fellowship Application Packet forms must be completed, signed, and returned to the NNEMS staff within 2 weeks of receipt.

Step 2: Processing of the Fellowship Application

Upon receipt of the completed Fellowship Application Packet forms, NNEMS staff will work with the EPA project officer to submit the necessary paperwork to EPA's Grant Administration Division (GAD) for approval and award of the grant. All the information that the student provided will be verified by GAD and entered into its computer files. The student's grant will be assigned a number and a grants specialist will process the student's forms and mail the acceptance documents to the student's permanent mailing address for the student's signature. A Congressional notification period of 5 days must be observed before the acceptance documents are mailed to the student. The processing of the grant may take up to 6 weeks to complete.

Step 3: Complete and Submit the Acceptance Documents

Approximately 6 weeks after the Fellowship Application Packet forms have been submitted to EPA, the student will receive his or her grant award documents, which include a Fellowship Agreement (EPA Form 5770-8), Fellowship Activation Notice

(EPA Form 5770-7), and Completion of Studies Notice (EPA Form 5770-9). The student may not start work with EPA without having signed and returned the Fellowship Agreement and without having the EPA project officer sign the Fellowship Activation Notice.

- **Fellowship Agreement.** The Fellowship Agreement is the written agreement (including any amendments) between EPA and the student awarded a fellowship. The amount of the fellowship award and the terms and conditions of the fellowship are provided in the Fellowship Agreement. The student must sign the form and return it to GAD at the address provided on the form within 3 weeks of receipt or within a time frame approved by GAD. If the student does not return the Fellowship Agreement or request an extension of the acceptance time limit within 3 weeks, the award official may void the agreement. EPA will not be responsible for any costs incurred under a voided agreement.
- Fellowship Activation Notice. The Fellowship Activation Notice should be signed by the EPA project officer on the student's first day of work. The EPA project officer should then return the signed form to GAD. Once the signed Fellowship Activation Notice is received, GAD is responsible for sending the notice to EPA's Financial Management Center in Las Vegas, Nevada, to authorize payments to the student. If the Fellowship Activation Notice is not submitted to GAD within 90 days of the start of the fellowship, EPA may initiate action to terminate the fellowship agreement.
- **Completion of Studies Notice.** The Completion of Studies Notice should be kept by the student until the end of his or her work with EPA.

Step 4: Begin the Fellowship

The student should begin the fellowship on the date and at the location arranged with the EPA project officer and specified in the Fellowship Agreement.

2. Administrative and National Policy Requirements

If selected to receive a NNEMS fellowship, the student must agree to the following fellowship conditions:

- The fellow agrees that this fellowship may not be amended to extend the duration period beyond the number of months indicated in the Fellowship Agreement. The duration period of this fellowship will begin on the date indicated by the fellow in the upper right corner of the Fellowship Activation Notice in the block, "Date Fellow Will Enter on Duty".
- The fellow agrees to submit the following items at the conclusion of the fellowship program:
 - 1. Termination Notice (EPA Form 5770-9). This form shall be submitted to the following address at the end of the project period indicated on page 1 of the agreement:

U.S. Environmental Protection Agency Las Vegas Finance Center P.O. Box 98515 Las Vegas, Nevada 89193-8515

2. A final project report.

If the fellow withdraws from the program prior to the scheduled completion date, the fellow shall complete the Termination Notice and send it to:

U.S. Environmental Protection Agency Las Vegas Finance Center P.O. Box 98515 Las Vegas, Nevada 89193-8515

Any stipend received after withdrawal from the program must be returned to:

U.S. Environmental Protection Agency Financial Management Center P.O. Box 371293M Pittsburgh, Pennsylvania 15251

3. Reporting

At the completion of a NNEMS fellowship, all NNEMS fellows are required to:

Submit a Final Report of the Project

Copies of the final report must be provided to the EPA project officer as well as to the NNEMS staff. The report should be submitted on the last day of the fellowship. Unless directed otherwise by the EPA project officer, the report should summarize the specific project undertaken by the student and the project results.

Submit the EPA Fellowship Completion of Studies Notice (EPA Form 5770-9)

The Completion of Studies Notice (EPA Form 5770-9) must be completed, signed by the EPA project officer, and submitted to EPA's Financial Management Center in Las Vegas, Nevada, on the last day of the fellowship. The final payment for the balance of the fellowship award, if any, is typically mailed to the student within 2 weeks after the fellowship is officially ended.

In addition, students may be contacted via phone or email and asked to complete a program evaluation survey approximately one year from the completion of the fellowship.

VII. Agency Contact(s)

For additional information, please contact:

NNEMS Fellowship Program Ms. Sheri Jojokian Tetra Tech EM Inc. NNEMS Program

1881 Campus Commons Drive, Office of Environmental Education

Suite 200 (MC 1704A)

Reston, VA 20191 U.S. Environmental Protection Agency

Telephone: 800-358-8769 1200 Pennsylvania Avenue, NW

Washington, DC 20460 Or visit EPA's NNEMS web site at: Telephone: 202-564-0452

www.epa.gov/enviroed/students.html

If you would like additional information on or clarification of a specific project, please complete and submit the "Project-specific Questions" form that is available online at http://www.epa.gov/enviroed/NNEMS/2005projects.html.